01/17/2003



United States Patent and Trademark Office

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U.S. APPLICATION NUMBER NO.		FIRST NAMED APPLICANT	ATT	ATTY. DOCKET NO.	
10/542,408		Yasuaki Ito	دے	3136 US0P	
			INTERNATIONAL AP	PLICATION NO.	
		_	PCT/JP04/0024	00248	
22852			LA EU ING DATE	PRIORITY DATE	

22852 FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413

CONFIRMATION NO. 8596
371 FORMALITIES LETTER
OC000000025592470

01/15/2004

Date Mailed: 08/29/2007

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495)

- Priority Document
- Copy of the International Application filed on 07/15/2005
- English Translation of the IA filed on 07/15/2005
- Copy of the International Search Report filed on 07/15/2005
- Copy of IPE Report filed on 07/15/2005
- Preliminary Amendments filed on 07/15/2005
- Information Disclosure Statements filed on 07/15/2005
- Biochemical Sequence Diskette filed on 04/02/2007
- Oath or Declaration filed on 07/15/2005
- Biochemical Sequence Listing filed on 07/15/2005
- Request for Immediate Examination filed on 07/15/2005
- U.S. Basic National Fees filed on 07/15/2005
- Assignee Statement for PGPUB filed on 06/05/2007
- Priority Documents filed on 07/15/2005
- Power of Attorney filed on 06/05/2007
- Specification filed on 07/15/2005
- Claims filed on 07/15/2005
- Drawings filed on 07/15/2005
- Paper nucleotide sequence listings filed on 07/15/2005

RECEIVED

AUG 3 1 2007

Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.

Applicant's response filed 06/05/2007 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 08/10/2006 have not been completed.

A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of
the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as
indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a
substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content
of the sequence listing information recorded in computer readable form is identical to the written paper TBF/VS/LBB

Case 10511-0004

Due Date 9/29/07

Action Feynme Sell-

or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patentin Software Program Help @ ebc@uspto.gov

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web. https://sportal.uspto.gov/authenticate/Authenticate/Authenticate/SerLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at http://www.uspto.gov/ebc.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

JOHN L ANDERSON

Telephone: (703) 308-9140 EXT 211

PART 1 - ATTORNEY/APPLICANT COPY

•		
U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/542,408	PCT/JP04/00248	3136 US0P

FORM PCT/DO/EO/916 (371 Formalities Notice)

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: $10/542$, 4	$UU_{\mathcal{D}}$
Source: TFWC	2
Date Processed by STIC:	4/200

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
 U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street,
 Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 10/542, 408 D.					
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE						
1Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."					
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.					
3Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.					
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.					
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.					
6Patentin 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.					
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.					
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If Intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000					
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.					
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)					
Use of <220>	Sequence(s)missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules					
PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.					
13 Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid					



IFWO

RAW SEQUENCE LISTING DATE: 04/04/2007 PATENT APPLICATION: US/10/542,408D TIME: 14:54:46

Input Set : N:\efs\04_04_07\10542408D_efs\3136us0prevseq.txt
Output Set: N:\CRF4\04042007\J542408D.raw

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FUJII, Ryo
 5
         HINUMA, Shuji
         FUKUSUMI, Shoji
         MARUYAMA, Minoru
9 <120> TITLE OF INVENTION: Novel Screening Method
                                                          Does Not Comply
                                                          Corrected Disketle Needed
11 <130> FILE REFERENCE: 3136 USOP
13 <140> CURRENT APPLICATION NUMBER: US 10/542408D
14 <141> CURRENT FILING DATE: 2005-07-15
16 <150> PRIOR APPLICATION NUMBER: JP 2003-010001
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17 <151> PRIOR FILING DATE: 2003-01-17
19 <150> PRIOR APPLICATION NUMBER: JP 2003-104540
20 <151> PRIOR FILING DATE: 2003-04-08
22 <150> PRIOR APPLICATION NUMBER: JP 2003-194497
23 <151> PRIOR FILING DATE: 2003-07-09
25 <150> PRIOR APPLICATION NUMBER: JP 2003-329080
26 <151> PRIOR FILING DATE: 2003-09-19
28 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/000248
29 <151> PRIOR FILING DATE: 2004-01-15
31 <160> NUMBER OF SEQ ID NOS: 22
33 <210> SEQ ID NO: 1
34 <211> LENGTH: 361
35 <212> TYPE: PRT
36 <213> ORGANISM: Homo sapiens
38 <400> SEQUENCE: 1
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41 Leu Glu Gln Ala Asn Arg Thr Arg Phe Pro Phe Phe Ser Asp Val Lys
42
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                                    25
43 Gly Asp His Arg Leu Val Leu Ala Ala Val Glu Thr Thr Val Leu Val
            35
                                40
45 Leu Ile Phe Ala Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
        50
                            55
                                                60
47 Val Ala Arg Arg Arg Arg Gly Ala Thr Ala Cys Leu Val Leu Asn
                                            75
48 65
                        70
49 Leu Phe Cys Ala Asp Leu Leu Phe Ile Ser Ala Ile Pro Leu Val Leu
                                        90
                    85
51 Ala Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Ala Cys His
               100
                                   105
53 Leu Leu Phe Tyr Val Met Thr Leu Ser Gly Ser Val Thr Ile Leu Thr
          115
                               120
                                                  125
55 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val His Leu Gln
                           135
       130
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3 <110> APPLICANT: ITO, Yasuaki

RAW SEQUENCE LISTING DATE: 04/04/2007 PATENT APPLICATION: US/10/542,408D TIME: 14:54:46

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58 145
                        150
                                            155
59 Leu Ile Trp Gly Tyr Ser Ala Val Ala Ala Leu Pro Leu Cys Val Phe
60
                    165
                                        170
61 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Ala Asp Gln Glu Ile Ser
62
                180
                                    185
                                                         190
.63 Ile Cys Thr Leu Ile Trp Pro Thr Ile Pro Gly Glu Ile Ser Trp Asp
64
            195
                                200
65 Val Ser Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
                            215
67 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
68 225
                        230
                                            235
69 Leu Thr Val Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
70
                    245
                                        250
71 Gln Gln Asp Phe Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
72
                260
                                    265
73 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
                                280
75 Ile Gln Asn Phe Lys Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
                            295
76
                                                 300
77 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
78 305
                        310
                                            315
79 Tyr Asn Met Thr Leu Cys Arg Asn Glu Trp Lys Lys Ile Phe Cys Cys
                                        330
81 Phe Trp Phe Pro Glu Lys Gly Ala Ile Leu Thr Asp Thr Ser Val Lys
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83 Arg Asn Asp Leu Ser Ile Ile Ser Gly
84
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86 <210> SEQ ID NO: 2
87 <211> LENGTH: 1083
88 <212> TYPE: DNA
89 <213> ORGANISM: Homo sapiens
91 <400> SEQUENCE: 2
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                                                                         60
93 aaccgcaccc gettteeett etteteegac gteaagggeg accacegget ggtgetggee
                                                                        120
94 geggtggaga caacegtget ggtgeteate tttgeagtgt egetgetggg caacgtgtge
95 geeetggtge tggtggegeg eegaegaege egeggegega etgeetgeet ggtaeteaae
96 ctcttctgcg cggacctgct cttcatcagc gctatccctc tggtgctggc cgtgcgctgg
97 actgaggect ggctgctggg ccccgttgcc tgccacctgc tcttctacgt gatgaccctg
                                                                       360
98 ageggeageg teaceatect eacgetggee geggteagee tggagegeat ggtgtgeate
99 gtgcacctgc agcgcggcgt gcggggtcct gggcggcggg cgcgggcagt gctgctggcg
100 eteatetggg getattegge ggtegeeget etgeetetet gegtettett eegagtegte
101 ccgcaacggc tccccggcgc cgaccaggaa atttcgattt gcacactgat ttggcccacc
102 attectggag agatetegtg ggatgtetet tttgttaett tgaacttett ggtgeeagga
103 ctggtcattg tgatcagtta ctccaaaatt ttacagatca caaaggcatc aaggaagagg
                                                                        720
104 ctcacggtaa gcctggccta ctcggagagc caccagatcc gcgtgtccca gcaggacttc
105 eggetettee geaccetett cetecteatg gteteettet teateatgtg gagececate
106 atcatcacca tectectcat cetgatecag aactteaage aagacetggt catetggeeg
107 tecetettet tetgggtggt ggeetteaca tttgetaatt cageectaaa ceceateete
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RAW SEQUENCE LISTING DATE: 04/04/2007 PATENT APPLICATION: US/10/542,408D TIME: 14:54:46

Input Set: N:\efs\04_04_07\10542408D_efs\3136us0prevseq.txt
Output Set: N:\CRF4\04042007\J542408D.raw

108 tacaacatga cactgtgcag gaatgagtgg aagaaaattt tttgctgctt ctggttccca 1020 109 qaaaagggag ccattttaac agacacatct qtcaaaagaa atgacttgtc gattatttct 1080 110 ggc 112 <210> SEQ ID NO: 3 113 <211> LENGTH: 361 114 <212> TYPE: PRT 115 <213> ORGANISM: Mus musculus 117 <400> SEQUENCE: 3 118 Met Ser Pro Glu Cys Ala Gln Thr Thr Gly Pro Gly Pro Ser His Thr 10 120 Leu Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys 20 25 122 Gly Asp His Arg Leu Val Leu Ser Val Val Glu Thr Thr Val Leu Gly 35 40 124 Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu 50 126 Val Ala Arg Arg Arg Arg Gly Ala Thr Ala Ser Leu Val Leu Asn 127 65 70 75 128 Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu 85 90 130 Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His 100 105 132 Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr 120 125 115 134 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg 130 135 136 Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala 150 137 145 138 Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu 170 139 165 140 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro 180 185 141 142 Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp 195 200 144 Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val 210 215 220 146 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg 230 235 148 Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser 245 250 150 Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser 265 260 152 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu 280 275 154 Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe 295 300 155 290 156 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu 310 315 157 305 158 Tyr Asn Met Ser Leu Phe Arg Asn Glu Trp Arg Lys Ile Phe Cys Cys

RAW SEQUENCE LISTING DATE: 04/04/2007 PATENT APPLICATION: US/10/542,408D TIME: 14:54:46

Input Set: N:\efs\04_04_07\10542408D_efs\3136us0prevseq.txt
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160 Phe Phe Pro Glu Lys Gly Ala Ile Phe Thr Asp Thr Ser Val Arg
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                                    345
162 Arg Asn Asp Leu Ser Val Ile Ser Ser
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165 <210> SEQ ID NO: 4
166 <211> LENGTH: 1083
167 <212> TYPE: DNA
168 <213> ORGANISM: Mus musculus
170 <400> SEQUENCE: 4
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172 aatcgcaccc acttcccttt cttctcggat gtcaagggcg accaccggtt ggtgttgagc 120
173 gtcgtggaga ccaccgttct ggggctcatc tttgtcgtct cactgctggg caacgtgtgt 180
174 getetagtge tggtggegeg cegteggege egtggggega eagecageet ggtgeteaac 240
175 ctcttctgcg cggatttgct cttcaccage gccatccctc tagtgctcgt cgtgcgctgg
176 actgaggcct ggctgttggg gcccgtcgtc tgccacctgc tcttctacgt gatgacaatg
177 ageggeageg teaegateet cacactggee, geggteagee tggagegeat ggtgtgeate
178 gtgcgcctcc ggcgcgctt gagcggcccg gggcggcgga ctcaggcggc actgctggct
179 ttcatatggg gttactegge getegeegeg etgeecetet geatettgtt eegegtggte
180 ccgcagcgcc ttcccggcgg ggaccaggaa attccgattt gcacattgga ttggcccaac
181 cgcataggag aaatctcatg ggatgtgttt tttgtgactt tgaacttcct ggtgccggga
182 ctggtcattg tgatcagtta ctccaaaatt ttacagatca cgaaagcatc gcggaagagg
183 cttacgctga gcttggcata ctctgagagc caccagatcc gagtgtccca acaagactac
184 cgactettee geacgetett cetgeteatg gttteettet teateatgtg gagteecate
185 atcatcacca tectectcat ettgatecaa aaetteegge aggacetggt catetggeea
186 tecetttet tetgggtggt ggeetteaeg tttgccaact etgecetaaa ceceataetg
187 tacaacatgt cgctgttcag gaacgaatgg aggaagattt tttgctgctt cttttttcca 1020
188 gagaagggag ccatttttac agacacgtct gtcaggcgaa atgacttgtc tgttatttcc 1080
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189 agc
191 <210> SEQ ID NO: 5
192 <211> LENGTH: 20
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
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197 <223> OTHER INFORMATION: primer
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204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: primer
210 <400> SEQUENCE: 6
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211 cgctgtggat gtctatttgc
213 <210> SEQ ID NO: 7
214 <211> LENGTH: 30
215 <212> TYPE: DNA
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216 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING DATE: 04/04/2007
PATENT APPLICATION: US/10/542,408D TIME: 14:54:46

Input Set: N:\efs\04_04_07\10542408D_efs\3136us0prevseq.txt
Output Set: N:\CRF4\04042007\J542408D.raw

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219 <223> OTHER INFORMATION: primer
221 <400> SEQUENCE: 7
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224 <210> SEQ ID NO: 8
225 <211> LENGTH: 361
226 <212> TYPE: PRT
227 <213> ORGANISM: Rattus norvegicus
229 <400> SEQUENCE: 8
230 Met Ser Pro Glu Cys Ala Gln Thr Thr Gly Pro Gly Pro Ser Arg Thr
232 Pro Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys
234 Gly Asp His Arg Leu Val Leu Ser Val Leu Glu Thr Thr Val Leu Gly
                                 40
236 Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
                             55
238 Val Val Arg Arg Arg Arg Gly Ala Thr Val Ser Leu Val Leu Asn
240 Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu
                     85
                                         90
242 Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His
                100
                                    105
244 Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr
            115
                                120
246 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg
                            135
248 Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala
                        150
                                            155
250 Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu
                    165
                                        170
252 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro
                180
                                    185
254 Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp
                                200
            195
256 Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
        210
                            `215
258 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
259 225
                        230
                                            235
260 Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
261
                    245
                                        250
262 Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
                260
                                    265
264 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
                                280
266 Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
                            295
                                                300
268 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
269 305
                                            315
                        310
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(210> 21
(211> 21
(212> RNA
(213) Artificial Sequence)

(220>
(221> misc_RNA
(222> (20)..(21)
(223> n stands for deoxy thymidine)

(400> 21
ggaccaggaa auuccgauun n

(21) Artificial Sequence is
Artificial, pls Explains
The Scurce of genetic
malerial. See 9/em
Sheet.

(400> 21
ggaccaggaa auuccgauun n

(400> 41
gg

This type of Eeror es en Jeg ID 22

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/542,408D

DATE: 04/04/2007 TIME: 14:54:48

Input Set : N:\efs\04_04_07\10542408D_efs\3136us0prevseq.txt

Output Set: N:\CRF4\04042007\J542408D.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; N Pos. 20,21 Seq#:22; N Pos. 1,2 VERIFICATION SUMMARY

PATENT APPLICATION: US/10/542,408D

DATE: 04/04/2007

TIME: 14:54:48

Input Set : N:\efs\04_04_07\10542408D_efs\3136us0prevseq.txt

Output Set: N:\CRF4\04042007\J542408D.raw

L:435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0 L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0